

L# ANSWER 406 OF 419 CAPLUS COPYRIGHT 2002 ACS

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TI N-Alkylactams

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SO Ger. Offen., 10 pp.

CODEN: GWXXBX

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CS 173058	B	19770228	CS 1970-4230	19700617
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PRAI DD 1969-140738 19690625

AB N-Methyl-.epsilon.-caprolactam (I), its Et analog, or N-methyl-2-pyrrolidinone were prepd. in 66-98 yield by Al₂O₃-catalyzed alkylation of the lactams with Me₂O or Et₂O at 300-20.degree.. Thus, reaction of .epsilon.-caprolactam (II) with Me₂O at 320.degree. in a tubular reactor contg. Al₂O₃, distn., and recycling unreacted II gave 98 I (99.5 pure) at 72 II conversion in 2 cycles.

IC C07D

DT Patent

LA German